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(71) Applicant (for all designated States except US): LUNA INNOVATIONS INCORPORATED [US/US]; 2851 Commerce Street, Blacksburg, Virginia 24060 (US).

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(72) Inventors; and

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(75) Inventors/Applicants (for US only): GE, Zhongxin [CN/US]; 1008 Montgomery Street, Blacksburg, Virginia 24060 (US). DORN, Harry, C. [US/US]; 101 Fincastle Drive, Blacksburg, Virginia 24060 (US).

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(74) Agents: DADIO, Susan, M. et al.; Burns, Doane, Swecker & Mathis, LLP, P. O. Box 1404, Alexandria, Virginia 22313-1404 (US).

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(54) Title: POLYHYDROXY HYDROGENSULFATED TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENES

(57) Abstract: Polyhydroxy hydrogensulfated trimetalllic nitride endohedral metallofullerenes, can be utilized in a number of applications, for example, as proton conductors in electrochemical devices. The presence of encapsulated metal atoms, preferably trivalent metals including lanthanides, rare earths or IIIB group metals, polyhydroxy hydrogensulfated trimetalllic nitride endohedral metallofullerenes with properties not found in empty-cage polyhydroxy hydrogensulfated fullerenes.